Index of Claims

Application/Control No.

10/622,617

Examiner

Jamara A. Franklin

Applicant(s)/Patent under Reexamination

KOENCK ET AL.

Art Unit

2876

| <b>√</b> | Rejected |
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| =        | Allowed  |

(Through numeral) Cancelled Restricted

| Ν | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
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| 0 | Objected |

| Claim Date   |          |  |              |  |          | Claim Date                                       |          |          |  |                |   |       | Cla      | aim             | Date     |               |    |               |  |          |          |    |       |            |              |                 |          |           |          |          |          |          |          |
|--------------|----------|--|--------------|--|----------|--|----------|----------|--|----------------|---|-------|----------|-----------------|----------|---------------|----|---------------|--|----------|----------|----|-------|------------|--------------|-----------------|----------|-----------|----------|----------|----------|----------|----------|
|              | <u> </u> |  |              |  |          |  |          |          |  |                |   |       | <u></u>  |                 |          |               |    |               |  |          |          |    |       | <u> </u>   |              |                 |          |           |          |          |          |          |          |
| Final        | Original | 6/9/05   |              |  |          |  |          |          |  | 1              |   | Final | Original |                 |          |               |    |               |  | Л        |          |    | Final | Original   |              |                 |          |           |          |          |          |          |          |
| 匠            | Ğ        | 8  |              |  |          |  |          |          |  |                |   | ίΞ    | Ä        |                 |          |               |    |               |  | T        |          |    | ίΞ    | Öric       |              | il              |          |           |          |          | ı        |          |          |
|              |          | L  | L            |  |          |  |          |          | L  |                |   |       |          |                 | _        |               |    | <u> </u>      |  | _        | _        |    |       |            |              |                 |          |           |          |          |          |          |          |
|              | 1_       | _  | _            |  | _        |  |          |          |  | $\Box$         |   |       | 51       |                 | _        | _             | _  | <del> _</del> |  | 4        | _        |    |       | 101        |              | Ш               | _        |           |          |          | _        | _        |          |
|              | 2        | _  | _            |  |          | Ш  |          |          |  |                |   |       | 52       | Ш               | _        | 4             | ┸  | L             | Ш  | 4        | _        |    |       | 102        |              |                 |          |           |          |          |          | _        |          |
|              | 3        | L  | L.           | _  |          | Ш  |          |          | Ш  | $\Box$         |   |       | 53       | Ш               | $\perp$  | _             | _  | <u> </u>      | $\sqcup$   | $\perp$  | _        |    |       | 103        |              | Ш               |          |           |          |          | _        | _        |          |
|              | 4        | <u> </u>   | _            | <u> </u>   | ļ        |  |          |          | L_   | $\dashv$       |   |       | 54       | -               | _        |               | 4_ | ↓_            | <b></b> -  | 4        | _        |    |       | 104        | _            |                 |          |           | Щ        |          | _        | _        | _        |
| ļ            | 5        | ╙  |              |  | <b> </b> | _  | Ш        |          | _  | ∸              |   |       | 55       | $\square$       | -        | _             | 4  |               | $\vdash$   | 4        | _        |    |       | 105        |              | Ш               | _        |           | Ш        | Щ        |          | _        | _        |
|              | 6        | <u> </u>   | <u> </u>     | <u> </u>   |          | _  |          |          | L  | Щ              |   |       | 56       |                 | -+       | +             | +  | ╀             | -  | 4        | -        |    |       | 106        | _            | $\vdash$        | _        |           | Н        | Щ        | _        | $\dashv$ | _        |
| ļ            | 7        | ┝  | ├            | -  | <u> </u> | $\vdash$   |          | _        |  | $\dashv$       |   |       | 57       | Н               | $\dashv$ | +             | +  | ╁             | <b>├</b>   | +        |          |    |       | 107        |              | Н               | _        |           |          |          |          |          |          |
|              | 8        | ┝  | <del> </del> |  | H        | L  |          | _        | H  | $\dashv$       |   |       | 58       | Н               | $\dashv$ | -             | +  | ╀             | $\vdash$   | +        | -        |    |       | 108<br>109 | _            | $\vdash$        |          |           |          |          |          |          | -        |
|              | 9        | ┝  | ├            | ├  | ├        | ├  |          |          | H  | $\dashv$       |   |       | 59       | Н               | +        | +             | ╁  | ╁             | $\vdash$   | +        | $\dashv$ |    |       |            | _            | Н               | $\dashv$ |           |          | -        |          | }        | _        |
| <b> </b>     | 10<br>11 | -  | ├            | ├  | -        | ⊢  |          | -        | -  | $\dashv$       |   |       | 60<br>61 | $\vdash \vdash$ | $\dashv$ | +             | +  | +             |  | +        | -        |    |       | 110<br>111 | -            | $\vdash$        | -        |           | -        | $\vdash$ |          | 1        |          |
| $\vdash$     | 12       | $\vdash$   | ⊢            | $\vdash$   | Н        | $\vdash$   | $\vdash$ | $\vdash$ | ┢  | $\dashv$       |   |       | 62       | $\vdash \vdash$ | $\dashv$ | +             | +  | +             | $\vdash \vdash$                                  | +        | $\dashv$ |    |       | 112        |              | $\vdash$        |          | -         | Н        | $\vdash$ | $\dashv$ | $\dashv$ | _        |
| -            | 13       | -  | ┝            | <del> </del>                                     | $\vdash$ | $\vdash$   | $\vdash$ | H        | $\vdash$   | $\dashv$       |   |       | 63       | $\vdash$        | +        | +             | +  | +             | <del>  - </del>                                  | +        | -        |    |       | 113        |              | $\vdash$        | $\dashv$ | $\vdash$  | Н        | $\vdash$ | $\dashv$ | $\dashv$ | -        |
| <del> </del> | 14       | <del> </del>                                     | -            | -  | ├        | <del> </del>                                     | $\vdash$ | $\vdash$ | ┢  | $\vdash$       |   |       | 64       | $\vdash$        | $\dashv$ | +             | +- | +             | <del>                                     </del> | +        | $\dashv$ |    |       | 114        | $\vdash$     |                 |          | $\vdash$  | Н        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
|              | 15       | $\vdash$   | $\vdash$     | $\vdash$   | Н        | Н  |          | $\vdash$ | $\vdash$   | $\vdash$       |   |       | 65       | H               | $\dashv$ | +             | +  | +             | $\vdash \vdash$                                  | +        | $\dashv$ |    |       | 115        | $\vdash$     | $\vdash$        | $\dashv$ | -         | $\vdash$ | $\vdash$ |          | -        | -        |
| $\vdash$     | 16       | $\vdash$   | -            | ┢  | H        | $\vdash$   | $\vdash$ | Н        | $\vdash$   | $\vdash\vdash$ |   |       | 66       |                 | $\dashv$ | 十             | +  | +-            | $\vdash \vdash$                                  | +        | -        |    |       | 116        | $\vdash$     | $\vdash$        | $\dashv$ |           | $\vdash$ | $\vdash$ |          | $\dashv$ | $\dashv$ |
| <del> </del> | 17       | <del> </del>                                     | Ι-           | $\vdash$   | H        | <del>                                     </del> | $\vdash$ |          | <del> </del>                                     | -              |   |       | 67       | $\vdash$        | $\dashv$ | +             | +- | +-            |  | +        | $\dashv$ |    |       | 117        | <del> </del> | $\vdash$        | $\dashv$ | -         | Н        | $\vdash$ | $\dashv$ | $\dashv$ | H        |
|              | 18       | H  | $\vdash$     | ┢  | H        | H  |          | Н        | $\vdash$   |                |   |       | 68       | Н               | 十        | +             | +  | +             | H  | $\dashv$ | $\dashv$ |    |       | 118        | $\vdash$     | Н               |          |           |          | -        | $\dashv$ | -        |          |
| <del> </del> | 19       | $\vdash$   | Н            | <del>                                     </del> |          |  |          | H        | <del>                                     </del> |                |   |       | 69       |                 | -+       | $\dashv$      | +  | +-            |  | +        |          |    |       | 119        |              | Н               | $\dashv$ |           | -        |          |          |          |          |
| $\vdash$     | 20       | $\vdash$   | $\vdash$     | ┢  | ╁        | <del>                                     </del> |          | _        | <del>                                     </del> | _              |   |       | 70       |                 | 十        | -             | +- | +             |  | $\dashv$ | -        |    |       | 120        | _            | Н               |          |           |          | _        |          | -        |          |
|              | 21       | 1  |              | Т  | T        | $\vdash$   |          | $\vdash$ | 一  | _              |   |       | 71       |                 |          | 十             | +  | ╁             |  | 7        | -        |    |       | 121        | $\vdash$     | Н               |          | _         |          |          | $\neg$   | $\dashv$ |          |
|              | 22       | 1  | <u> </u>     | _  | <u> </u> |  |          | $\vdash$ | Г  |                |   |       | 72       | П               | $\dashv$ | _             | +  | +             |  | 7        | _        |    |       | 122        | $\vdash$     | П               |          |           |          | Н        |          | $\neg$   |          |
|              | 23       | 1  | Г            | Г  | T        |  |          | Г        |  |                |   |       | 73       | П               |          | $\neg$        | +  | $\top$        |  | $\neg$   | 7        |    |       | 123        | Н            | П               |          |           |          |          |          | $\dashv$ |          |
|              | 24       |  |              | Г  |          |  |          | Г        | T  |                |   |       | 74       | П               |          | 7             | 十  | ╈             |  | 7        | -        |    |       | 124        |              | П               |          |           |          |          |          | $\neg$   |          |
|              | 25       |  |              |  | Τ        |  |          | Г        | Π  |                |   |       | 75       |                 |          |               |    | Т             |  | 7        |          |    |       | 125        |              |                 |          |           |          |          |          | $\neg$   |          |
|              | 26       | П  | Г            | 1  |          |  |          |          | Г  |                |   |       | 76       | П               | $\neg$   | $\neg \vdash$ |    | T             |  |          |          |    |       | 126        |              |                 |          |           |          |          |          | $\neg$   |          |
|              | 27       | П  |              |  |          |  |          |          |  |                |   |       | 77       |                 |          |               | 丁  | 1             | П  | $\neg$   |          |    |       | 127        | Г            | П               |          |           |          |          |          | $\neg$   |          |
|              | 28       |  |              |  |          |  |          |          |  |                |   |       | 78       |                 |          |               |    |               |  |          |          |    |       | 128        |              | П               |          |           |          |          |          | $\neg$   |          |
|              | 29       | $\prod$  |              |  |          |  |          |          |  |                |   |       | 79       |                 |          |               |    |               |  | П        |          |    |       | 129        |              |                 |          |           |          |          |          |          |          |
|              | 30       |  |              |  |          |  |          |          |  |                |   |       | 80       |                 |          |               |    |               |  |          |          |    |       | 130        |              |                 |          |           |          |          |          | $\Box$   |          |
|              | 31       | Ш  |              |  |          |  |          |          |  |                |   |       | 81       |                 |          |               |    |               |  |          |          |    |       | 131        |              |                 |          |           |          |          |          |          |          |
|              | 32       | Ш  | _            | L  |          | L  |          | L        | <u> </u>   | Ш              |   |       | 82       |                 |          | $\perp$       |    |               |  | $\perp$  | _        |    |       | 132        |              | Ш               |          |           |          |          |          |          |          |
|              | 33       | 1  | _            | L  | _        | _  |          | _        | _  | $\Box$         |   |       | 83       |                 | _        |               | _  | ╙             |  | 4        | _        |    |       | 133        | <u></u>      | Ш               |          |           |          |          |          | _        |          |
|              | 34       | ╙  | $\vdash$     | <u> </u>   |          | <u> </u>   |          | _        | Щ  | Ш              |   |       | 84       | $\sqcup$        | _        | _             | _  | 4             | $\sqcup$   | 4        | _        |    |       | 134        | <u> </u>     | Ш               | Щ        |           | Щ        | Щ        |          |          |          |
|              | 35       | 1  | <u> </u>     | <u> </u>   | _        | <u> </u>   | Ш        | Ш        | <u> </u>   | Щ              |   |       | 85       | Щ               | $\dashv$ | $\perp$       | +  | ╄             | $\vdash \vdash$                                  | 4        | _        |    |       | 135        | _            | Ш               |          |           |          | Щ        |          | _        |          |
| <u> </u>     | 36       | 1  | <u> </u>     | <u> </u>   | $\vdash$ | $\vdash$   | _        | <u> </u> | <u> </u>   | Ш              |   |       | 86       | Ш               | _        | +             | +  | ╄             | $\vdash \vdash$                                  | 4        | _        |    |       | 136        | _            | Ш               |          |           |          | Щ        |          | $\dashv$ |          |
| <u> </u>     | 37       | Н,   | <u> </u>     | <u> </u>   | $\vdash$ | $\vdash$   | $\sqcup$ | <u> </u> | <u> </u>   | Ш              |   |       | 87       | Ш               | $\dashv$ | $\perp$       | +  | ╄-            | $\sqcup$   | 4        | _        |    |       | 137        | <u> </u>     | _               |          |           | L_       | Щ        |          | _        |          |
| <u> </u>     | 38       | V  | _            | <u> </u>   | $\vdash$ | $\vdash$   | $\vdash$ | <u> </u> | Ь—   | Щ              |   |       | 88       | Ш               | $\dashv$ | +             | +  | ╀             | $\vdash \vdash$                                  | 4        | 4        |    |       | 138        | L            | Ш               |          |           | -        | Ш        | _        |          | Щ        |
| <u> </u>     | 39       | ٧  | $\vdash$     | $\vdash$   | <b>-</b> | $\vdash$   | Н        | Ш        | -  | Щ              |   |       | 89       | -               | $\dashv$ | +             | +  | -             | -  | 4        | $\dashv$ |    |       | 139        | <u> </u>     |                 | $\sqcup$ | $\square$ | $\vdash$ | Ш        | _        | 4        | Ш        |
|              | 40       | <del> </del>                                     |              | ├-   | -        | $\vdash$   | $\vdash$ | $\vdash$ |  | Н              |   |       | 90       | -               |          | -             | +  | ┼             |  | +        |          |    |       | 140        | ├-           | $\vdash$        | $\Box$   |           | Н        | Н        | -        | $\dashv$ |          |
| <u> </u>     | 41<br>42 | -  | ⊢            | $\vdash$   | ├-       | $\vdash$   | $\vdash$ | $\vdash$ | <del>-</del>                                     | $\vdash\vdash$ |   |       | 91<br>92 |                 | $\dashv$ | +             | +  | $\vdash$      | $\vdash$   | +        | -        |    |       | 141        | <del> </del> | $\vdash \vdash$ |          | H         | H        | Н        | _        | -        |          |
|              | 42       | ⊢  | ┝            | $\vdash$   | ⊢        | -  | -        | $\vdash$ | H  | Н              |   |       | 93       | $\vdash$        | $\dashv$ | +             | +- | +             | $\vdash$   | +        | $\dashv$ |    |       | 142        | <del> </del> | $\vdash$        | $\vdash$ |           | $\vdash$ | Н        |          | $\dashv$ | $\dashv$ |
| <u> </u>     | 44       | $\vdash$   | $\vdash$     |  | $\vdash$ | ⊢  | $\vdash$ | $\vdash$ | <del>                                     </del> | $\dashv$       |   |       | 94       | $\vdash$        | $\dashv$ | +             | +  | +             | <del>                                     </del> | +        |          |    | -     | 143<br>144 | <u> </u>     | $\vdash$        | $\vdash$ |           | $\vdash$ | Н        |          | $\dashv$ | $\dashv$ |
|              | 45       | ├  | ├            | -  | $\vdash$ | $\vdash$   | $\vdash$ | -        | -  |                |   |       | 95       | $\vdash$        | +        | +             | +  | +             |  | +        |          |    |       | 144        | <del> </del> | $\vdash \vdash$ | $\dashv$ | $\vdash$  | $\vdash$ | Н        | -        | -        |          |
| <b></b>      | 46       | <del> </del>                                     | ┢            | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$   | Н              |   |       | 96       | $\vdash$        | $\dashv$ | +             | +  | +-            | <del>   </del>                                   | +        |          |    |       | 146        | -            | $\vdash$        | $\dashv$ | $\vdash$  | $\vdash$ | Н        | $\vdash$ | $\dashv$ |          |
|              | 47       | $\vdash$   | $\vdash$     | $\vdash$   | Н        | +-   | -        | -        |  |                |   |       | 97       | $\vdash$        | $\dashv$ | +             | +  | $\vdash$      | +  | +        | $\dashv$ |    |       | 147        | $\vdash$     | Н               | $\dashv$ | -         | $\vdash$ | Н        | -        | $\dashv$ | _        |
|              | 48       | -  | $\vdash$     | <del>                                     </del> | $\vdash$ | <del>                                     </del> |          |          | $\vdash$   | $\vdash$       |   |       | 98       | -               | $\dashv$ | +             | +- | $\vdash$      | $\vdash$   | ╁        | -        |    |       | 148        | -            | $\vdash$        | $\dashv$ |           | $\vdash$ | Н        |          | -        | -        |
| _            | 49       | <del>                                     </del> | $\vdash$     | 1  | $\vdash$ | H  | Н        | -        | ┢  | $\vdash$       |   |       | 99       | $\vdash$        | $\dashv$ | +             | +  | +             |  | +        | $\dashv$ |    |       | 149        | $\vdash$     | $\vdash$        | $\dashv$ | $\vdash$  | _        | Н        | -        | $\dashv$ | _        |
| <u> </u>     | 50       | $\vdash$   | -            | ┢  | ऻऻ       | П  | $\vdash$ | _        | $\vdash$   | $\dashv$       |   |       | 100      | $\vdash$        | 十        | $\dashv$      | +  | +             |  | $\dashv$ |          |    |       | 150        | $\vdash$     | $\vdash$        | $\dashv$ |           | $\vdash$ | Н        |          | $\dashv$ |          |
|              |          | Щ.   |              |  |          |  |          |          |  |                | : |       | 100      |                 |          | 1             |    |               |  | L        | ٠.       | :: | 1     | _130       |              |                 |          |           |          |          |          |          |          |